

The graph displays the absorbance spectrum of a 0.001 M solution of a substance in water. The x-axis represents the wavelength in nanometers (nm), ranging from 400 to 900 nm. The y-axis represents the absorbance, ranging from 0 to 1.2. The curve shows a broad absorption band, starting to rise around 500 nm, reaching a maximum absorbance of approximately 1.1 at a wavelength of about 830 nm, and then decreasing towards 900 nm.

Wavelength (nm)	Absorbance
400	0.05
500	0.10
600	0.40
700	0.80
800	1.05
830	1.10
900	0.60

FIG. 1